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(54) **SENSITIZED TYPE DETECTING METHOD FOR DNA**

(57) Abstract:

PROBLEM TO BE SOLVED: To apply a method for detecting a DNA having a specific sequence to provide a method having high detection sensitivity, by making a probe DNA contact with a sample DNA under the presence of an intercalator to measure a current in an electrode.

SOLUTION: In this sensitized type detecting method for a DNA, a current flowing in an intercalator

coupled to a hybrid DNA formed with a probe DNA and a sample DNA by making the probe DNA fixed to an electrode contact with the sample DNA dissociated into a single chain under the presence of a substrate, an oxidase converted into a reduced type by reaction with the substrate, and an electroactive sewed-in type intercalator is amplified by electron transfer between the oxidase converted into the reduced type and the electrode, and the current is measured to detect a DNA having a specified base sequence.

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